

INTRODUCTION

Federal regulations require motor vehicle manufacturers to report to EPA all recalls that affect emission-related components or systems. The following report briefly describes light-duty vehicle recalls reported to EPA that affect emission-related components or systems. Note that some of the recalls listed in this report fix problems that do not impact emission control performance even though they involve the repair or replacement of emission-related parts. Manufacturers voluntarily recall vehicles for various reasons, such as safety or customer satisfaction, but if they affect emission-related parts, they still must be reported to EPA. They are all considered “emission-related” for the purposes of this report.

This report is divided into two sections. The first section is titled, “Emission-Related Recalls”. These are the typical recalls where the manufacturer recommends that the owner bring the car in for repair under the recall. In this case, the owner should not wait until the problem is apparent before getting the vehicle fixed. The second section titled, “Emission-Related Voluntary Service Campaigns”. Under EPA rules, these are still considered recalls, but are listed separately because the manufacturer is telling the owner to bring the car in for repair only if the problem is apparent (such as a warning light, noise, drive problem, etc.). There is usually a warranty extension associated with these types of recalls. Note that the manufacturer might not call a voluntary service campaign a “recall” in the owner or dealer notifications.

Recalls can be initiated voluntarily by the manufacturer or can be ordered by EPA. Voluntary recalls could also be directly influenced by EPA. Influenced recalls are those where EPA has had a direct role in convincing the manufacturer to voluntarily recall the vehicles. Because EPA is fairly successful at influencing recalls, ordered recalls are extremely rare. This report indicates these categories in the “Type” column. A “V” designation is a voluntary recall without direct EPA influence, an “I” designation is a voluntary recall that was directly influenced by EPA, a “VSC” designation is a voluntary service campaign not directly influenced by EPA, and an “I-VSC” designation is a voluntary service campaign directly influenced by EPA. If there is an ordered recall, the type will be designated with an “O”.

It should also be noted that recalls may not include all of the vehicles in the described year, model, and engine family. Some recalls are specific to subsets of these categories because the problem or defect only affects part of a production run. The specific vehicles subject to a recall are identified by the manufacturer in the technical service bulletins provided to the repair facilities. These are usually listings based on the Vehicle Identification Number, or VIN, that is stamped on each vehicle. You should direct any questions regarding your vehicle’s inclusion in a recall to the dealer repair facility. If there are still issues or problems, direct these to EPA at the e-mail address: vehicle-recalls@epa.

Abbreviations and Acronyms

Acronym/Term:	Definition:
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CARB	California Air Resources Board
CFV	Clean Fuel Vehicle
DTC	Diagnostic Trouble Code
ECU	Engine Control Unit
ECM	Engine Control Module
EGR	Exhaust Gas Recirculation
MIL	Malfunction Indicator Light
MY	Model Year
NHTSA	National Highway Traffic Safety Administration
NLEV	National Low Emission Vehicle
OBD	On-Board Diagnostics
PCM	Powertrain Control Module
TCM	Transmission Control Module
TSB	Technical Service Bulletin
VECI	Vehicle Emission Control Information
VERR	Voluntary Emissions Recall Report

Recall Type:	Definition:
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O	Ordered by EPA
V	Voluntary Recall by Manufacturer
VSC	Voluntary Service Campaign by Manufacturer
I	Manufacturer voluntary action with EPA Influence

Section 1: Emission-Related Recalls

2008 Emissions-Related Recall Campaigns through March 2008

Mfr.	Mfr. Recall Number	EPA#	Type	Owners Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
BMW	07E-A02	2954	V	3/13/2008	2004 2005 2006 2007	525i, 530i 545i, 645Ci 530i 545i, 645Ci 530i 550i, 650i 530i 550i, 650i	4BMXV03.0SMG 4BMXV04.4LEV 5BMXV03.0SMG 5BMXV04.4LEV 6BMXV03.0N52 6BMXV04.8UL2 7BMXV03.0N52 7BMXV04.8UL2	Vehicles have a software error that causes the communication between the Transmission Control Module (TCM) and certain scan tool equipment to be interrupted. This makes it difficult for technicians to properly diagnose potential emissions problems, and may cause some vehicles to fail State inspection/maintenance tests. Remedy: BMW Service Centers will reprogram the TCM with an improved version of the software.	178 1,101 48 878 74 388 130 460	3,257
BMW	07E-A04	3312	V	1/28/2008	2007	ALPINA B7	7ABBV04.4H10	Certain 2007 model year Alpina B7 vehicles have a software error that causes certain diagnostics within the On-Board Diagnostic (OBD) system to function improperly. The diagnostics of the thermostat, the Mass Air Flow (MAF) sensor, the radiator outlet temperature sensor, and the inlet air temperature sensor do not work correctly. Therefore, malfunctions of these components will not be detected as required. Remedy: BMW service centers will reprogram the Engine Control Module (ECM) in these vehicles with an improved version of the software.	450	450
BMW	07E-A03	3314	V	1/16/2008	2005 2006	325CiA 325CiA	5BMXV02.5M56 6BMXV02.5M56	Certain 2005 and 2006 model year 325CiA vehicles have a potential problem relating to their engine secondary air systems. Due to premature material wear of the secondary air system valve and associated vacuum control lines, the system may fail to operate during cold starts, causing a Service Engine Soon light to illuminate. Remedy: BMW service centers will replace the secondary air system valves, and their associated vacuum control lines, and eliminate a vacuum check valve in the affected vehicles.	205 628	833
Ford	08S02	3366	V	3/1/2008	2006 2007 2007	E-Series E-Series Expedition/Navigator	6FMXT05.4TF5 6FMXT05.4RM6 6FMXT05.4AS6 6FMXT05.4AM3 6FMXT05.46R3 6FMXT05.4ST2 6FMXT05.45HT 7FMXT05.4AS6 7FMXT05.46R3 7FMXT05.45H2 7FMXT05.44E6	Some 2006 and 2007 model year vehicles may have been produced with a Fuel Rail Assembly that contains weak areas in the cross over hose. As a result, the hose may crack. This in turn may result a fuel odor from leaking fuel vapors, and possibly a liquid fuel leak as well. A fuel leak in the presence of an ignition source could result in a fire. Remedy: Ford initiated a recall campaign to replace the fuel rail assemblies on the affected vehicles. This is also a safety-related, as well as emission-related recall.	3,085 175 1 3,539 59 1,086 3 824 1,927 2,592 43,849	57,140
General Motors	ML-MW273	3390	V	3/20/2008	2002	SATURN VUE	2GMXT02.2123	Some 2002 model year Saturn VUE vehicles equipped with 2.2L 4-cylinder engines have electrical stresses in their Ignition Control Modules (ICM's). These electrical stresses may cause the ICM's to fail, resulting in deterioration of idle quality and greatly reduced engine power. Also, the vehicle may be hard to start. The service engine soon light will illuminate and will be flashing. Catalytic converter failure could result from engine misfire if not repaired immediately. Remedy: GM will conduct a Voluntary Emissions Recall to install new ICM's on the affected vehicles. The service modules have an improved design which makes them more resistant to the potentially damaging effects of electrical stress.	13,055	13,055
General Motors	ML-MW271	3392	V	2/18/2008	2007 2008	SATURN AURA HYBRID SATURN VUE HYBRID SATURN AURA HYBRID	7GMXV02.4040 7GMXV02.4130 8GMXV02.4040	There is a voltage imbalance within the hybrid batteries of some 2007 VUE Hybrid and 2007-2008 Aura Green Line Hybrid vehicles. When the imbalance exceeds 0.6 volts the check engine light illuminates and the hybrid function is disabled. Remedy: The battery module and cassette manufacturing processes have been revised to reduce the potential for inducing stress into the parts. Additionally, GM is conducting a Voluntary Emissions Related Recall (VERR) to replace the three hybrid cassettes within the battery assembly.	814 7,487 26	8,327

2008 Emissions-Related Recall Campaigns through March 2008

Mfr.	Mfr. Recall Number	EPA#	Type	Owners Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
General Motors	ML-MW262 07290	3418	V	1/25/2008	2008	Chevy Equinox, Pontiac Torrent Chevy Equinox, Pontiac Torrent	8GMXB03.6148 8GMXB03.6146	There are two unused pin cavities within the fuel sender wiring harness connector in each of these vehicles. To prevent moisture from entering the wiring harnesses, these cavities were filled with plugs. Some of the plugs used in these cavities are too small, and have consequently allowed moisture to enter into some of the wiring harnesses. Subsequent corrosion in the 12-way connector could result in failure of the evaporative canister vent solenoid control circuit. Remedy: To correct the problem GM will inspect and, if necessary, install new fuel sender wiring harness connector plugs.	3,895 21,208	25,103
Suzuki	SC45	3418	V	1/25/2008	2008	Suzuki XL7	8GMXT03.6150	There are two unused pin cavities within the fuel sender wiring harness connector in each of these vehicles. To prevent moisture from entering the wiring harnesses, these cavities were filled with plugs. Some of the plugs used in these cavities are too small, and have consequently allowed moisture to enter into some of the wiring harnesses. Subsequent corrosion in the 12-way connector could result in failure of the evaporative canister vent solenoid control circuit. Remedy: To correct the problem Suzuki will replace the fuel sender wiring harness connector plugs.	7,974	7,974
Mercedes-Benz	2008020001	3389	V	3/1/2008	2003 2004 2005 2006	E55, AMG E55, AMG E55, AMG E55, AMG, CLS	3MBXV05.5LBI 4MBXV05.5LBX 5MBXV05.5LBI 6MBXV05.5LBI	Certain 2003-2006 vehicles, when exposed to high ambient temperatures in combination with frequent stop and go driving, may develop cracks in their fuel filter modules due to mechanical stress. Remedy: Dealers will check the fuel filter modules in the affected vehicles and repair them or, if necessary, replace them with improved fuel filter modules.	1567 2745 2186 4182	10,680
Nissan/Infiniti	NE-2-25-8	3348	V	2/25/2008	2003 2004 2005 2006	Sentra Sentra Altima Altima Frontier Sentra Altima Frontier	3NSXV01.863A 4NSXV01.883A 4NSXV02.585A 5NSXV02.585A 5NSXV02.5G5A 5NSXT02.5G5A 5NSXV01.883A 6NSXV02.585A 6NSXT02.5G5A	On some 2003-2006 Nissan vehicles, there is a possibility that the program in the Engine Control Module (ECM) may cause improper operation of the evaporative emission control system. Remedy: Nissan will conduct a voluntary emissions recall to reprogram the ECM's in the affected vehicles.	8,334 12,126 14,978 49,013 587 1,552 27,957 21,318 3,576	144,732
Nissan/Infiniti	R0714	3387	V	1/30/2008	2008	Pathfinder	8NSXV05.6G9A	Some 2008 Pathfinder V8 vehicles were manufactured with an incorrect under-hood Vehicle Emission Control Information (VECI) label. The label contains an incorrect letter in the emission test group code. The incorrect code can mislead testing facilities concerning the test parameters to use in performing emissions tests on the vehicles. This can result in the vehicles being tested using incorrect test parameters. This in turn can result in false failures of the emissions test. Remedy: Nissan will provide replacement VECI labels to their dealers. These labels will contain the correct emission test group code. Nissan has also issued a Technical Service Bulletin (TSB) containing instructions for the installation of the replacement labels.	4,775	4,775
Nissan/Infiniti	NE-2-19-8	3397	V	2/19/2008	2007 2008	Altima	7NSXV02.585A 8NSXV02.585A	Some 2007 and 2008 Altimas are equipped with an improperly functioning emission-related On-Board Diagnostic (OBD) system. The problem is caused by faulty OBD software. The faulty software may result in failure of the OBD system to warn owners of catalytic converter malfunctions. Remedy: Nissan will conduct a voluntary emissions related recall to reprogram the Engine Control Modules (ECM's) in the affected vehicles.	41,906 19,049	60,955
Porsche	V420-A803	3433	V	2/15/2008	2008	Cayenne	8PRX803.66E1	A fuel line may contact the engine compartment cover and, over time, result in a knocking noise and chafing of the fuel line. Excessive chafing may reduce the thickness of the fuel line wall to the point of causing a leak. Remedy: Porsche is conducting a recall to inspect, reroute, and replace the fuel lines as needed. Customers will be notified by letter to return their vehicles for repairs free of charge. This is also a safety-related, as well as emission-related recall.	5,573	5,573
Toyota/Lexus	7LC	3385	V	1/11/2008	2006	Lexus IS250 Lexus GS300 Lexus IS250	6TYXV02.5PEA 6TYXV03.0WMB 6TYXV03.5PEB	High stress areas may have been created in fuel line tubing within the engine compartments of these vehicles. These stresses, combined with other factors such as corrosive agents in the fuel, may cause cracks, and consequent fuel leaks. Remedy: Lexus dealers will replace the two affected fuel line tubes with newly designed tubes.	5430 26,300 2650	34,380

2008 Emissions-Related Recall Campaigns through March 2008

Mfr.	Mfr. Recall Number	EPA#	Type	Owners Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
Volvo	190	3440	V	2/1/2008	2004	S40	4VVXV2.43U2N	On certain 2004.5 (mid-year production), 2005, and 2006 model year S40 and V50 vehicles, long-term exposure to climatic conditions may cause excessive internal corrosion of the Pump Electronic Module (PEM). This can result in a faulty signal to the fuel pump, which in turn can cause low, or no, fuel pressure. Remedy: The PEM's will be replaced and relocated to the inside of the vehicle (under left rear seat cushion) to prevent exposure to the elements and their consequent excessive internal corrosion.	3,679	23,640
					2005	S40, V50	4VVXX2.52U2T		1,158	
						S40, V50	5VVXX02.5U2T		5,763	
						S40, V50	5VVXX02.4S2N		2,068	
					2006	S40, V50	5VVXV02.4U2N		6,999	
						S40, V50	6VVXV02.4U2N		2,082	
						S40, V50	6VVXV02.4S2N		637	
						S40, V50	6VVXB02.5U2T		1,254	
Volvo	188	3441	V	2/26/2008	2008	S40 and V50	8VVXV02.4S2N	On certain 2008 S40 and V50 vehicles the crankcase ventilation hose may disconnect. The resultant increase in air flow may cause a whistling noise. In addition, the check engine light may illuminate and/or a slight oil leakage may result. In some cases, this condition may cause the vehicle to fail a state emissions test. Remedy: Volvo dealers will secure the crankcase ventilation with an additional clamp.	535	535

Total number of Vehicles affected by Recall Campaigns: 401,409

Section 2: Emission-Related Voluntary Service Campaigns

2008 Emissions-Related Voluntary Service Campaigns through March 2008

Mfr.	Mfr. Recall Number	EPA#	Type	Owners Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled		
Volkswagen/Audi	2008/02/20 VWA-08-06	2011 2629	VSC	2/1/2008	2001	Golf/Jetta/Audi TT	1AD XV01.8346	Faulty internal soldering to pins that mate with an external terminal cause Engine Coolant Temperature (ECT) sensor failure. Remedy: Additional heat is now being applied during production of the solder joints, and improved parts are now available for use in the field. Volkswagen has also extended the warranty on the ECT sensor on selected models and model year VW/Audi's to 10 years or 100,000 miles.	53,921	362,066		
					2001	Audi A4/Passat	1AD XV01.8342		66,342			
						Audi A6/A8	1AD XV04.2345		5,896			
					2002	Audi S8	1AD XV04.2335		816			
						Audi A4 & Volkswagen Passat	2AD XV01.8342		82,510			
					2003	Audi S4/A6/allroad	3AD XV02.7343		9,763			
						Audi A4 & Volkswagen Passat	3AD XV01.8342		100,545			
		2774 2840			2004	Audi Allroad /A6	4AD XV02.7343		12,688			
					2004	Jetta GTI	4VW XV02.8228		3,226			
					2002	Audi A4, A6 Quattro	2AD XV03.0344		26,359			

Total number of Vehicles affected by Voluntary Service Campaigns: 362,066

<u>SUMMARY</u>	
Total number of Vehicles affected by Recalls and Voluntary Service Campaigns:	763,475
Total number of Voluntary Recalls:	16
Total number of Voluntary Service Campaigns:	1
Total number of Recalls and Voluntary Service Campaigns:	17